



Hardware Pricing Summary Guide

February 19, 1997

CAUTION: *This is not an official Sun price list. It is a summary pricing guide. Unlike the SPARC End User and Reseller U.S. Price Lists, it does not contain configuration, licensing, warranty, ordering and other essential information.*

Please consult the official price lists, or contact your Sun Sales Representative or Authorized Reseller before placing an order.

Shaded sections indicate changes since last revision. Contact Kris Belgie via fax (954-776-7963) or email (kris.belgie@East.Sun.COM) regarding changes or enhancements to this guide.

Desktop & Deskside Systems & Servers

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JavaStation



- Low-cost “thin client” network computer
- Zero administration at the desktop
- Runs only 100% pure Java applications
- Write once, run anywhere
- Ease of application distribution across the enterprise
- Enhanced security
- 100-MHz microSPARC-II for workstation-class performance
- 10Base-T for workstation-class bandwidth

JAVASTATION SYSTEM

The JavaStation is offered with 5 memory configurations and 7 initial Country Kits. All Country Kits contain a North American keyboard with a localized power cord.

MONITOR OPTIONS

Three monitor choices are available: 14” color, 17” color, and no monitor (headless config.)

SOFTWARE

Sun is offering a special promotion of the first version of the JavaStation Software Environment free of charge. This software contains JavaOS, HotJava Browser and JavaStation boot services and administration tools. The software will be available through the Web beginning December 18, 1996 (<http://www.sun.com/javastation>). Note that it is necessary to install this software package on a server in order to run the JavaStations in a network.

The second version of the JavaStation Software Environment, which will include Sun’s extended desktop user environment, HotJava Views, will be available in Q3FY97. The software will be distributed on a CD and through the Web. Pricing to be announced.

OPTIONS

The only option offered with the JavaStation is an X-option memory upgrade. This option is intended as a post-purchase option and should not be used for initial orders. Ordering memory as part of the system will ensure that the memory arrives preinstalled.

GENERAL ORDERING NOTES

Licenses – The JavaOS and HotJava Browser license come standard with every system.


Media – The JavaStation pulls all its software from a local boot server over the network. One copy of JavaStation Software Environment is required per site. This environment requires a Sun server running Solaris 2.5 or a Netra j server in each subnet.

Memory – JavaStation has a total of 4 available memory slots. 8MB configuration uses 2 x 4MB SIMMs and 2 slots; 16MB configuration uses 4 x 4MB SIMMs and all 4 slots; 32MB configuration uses 2 x 16MB SIMMs and 2 slots; 40MB configuration uses 2 x 4MB and 2 x 16MB SIMMs and all 4 slots; 64MB configuration uses 4 x 16MB SIMMs and all 4 slots. SIMMs must be added in pairs of equal capacity.

JavaStation Configurations:

Part Number	Description	List Price	Discount Category
JJ –8– 01 07 50 80 06 74 76	JavaStation, 8MB , U.S. Country Kit United Kingdom Country Kit Universal Country Kit Continental Country Kit Swiss Country Kit Italian Country Kit Australian Country Kit	\$742	G
JJ –16– 01 07 50 80 06 74 76	JavaStation, 16MB , U.S. Country Kit United Kingdom Country Kit Universal Country Kit Continental Country Kit Swiss Country Kit Italian Country Kit Australian Country Kit	\$862	G
JJ –32– 01 07 50 80 06 74 76	JavaStation, 32MB , U.S. Country Kit United Kingdom Country Kit Universal Country Kit Continental Country Kit Swiss Country Kit Italian Country Kit Australian Country Kit	\$1,102	G
JJ –40– 01 07 50 80 06 74 76	JavaStation, 40MB , U.S. Country Kit United Kingdom Country Kit Universal Country Kit Continental Country Kit Swiss Country Kit Italian Country Kit Australian Country Kit	\$1,222	G
JJ –64– 01 07 50 80 06 74 76	JavaStation, 64MB , U.S. Country Kit United Kingdom Country Kit Universal Country Kit Continental Country Kit Swiss Country Kit Italian Country Kit Australian Country Kit	\$1,582	G
MONITORS (Systems may be ordered without monitors for customers wishing to use their existing PC monitors)			
X7114A	14” color monitor for JavaStation	\$253	G
X7102A	17” color monitor for JavaStation	\$703	G
MEMORY UPGRADES			
X7011A	8MB memory upgrade for JavaStation	\$165	A
X7012A	32MB memory upgrade for JavaStation	\$650	A

SPARCstation 5 – Model 170

	
SPARCstation Family	SPARCstation 5
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95	Model 170 3.32 2.91 3.19 2.68
Performance Architecture Clock rate Cache on-chip Cache external	TurboSPARC (microSPARC compatible) 170 MHz 16KB instruction, 16KB data No
System Memory Standard Maximum Memory type Bandwidth SIMM size	32MB 256MB 60ns JEDEC parity 64 bits 8MB, 32MB
Disk Storage SCSI bandwidth Standard Maximum internal Maximum external	10MB/sec. 2.1GB 4.2GB 118GB
I/O Architecture SBus slots Serial ports Parallel ports Audio Speaker	3 (32-bit, 22 MHz) 2 (fully synchronous) 1 (optional cable required) 16-bit Internal
Network Ports AUI Ethernet Twisted-pair Ethernet ISDN BRI	Yes (with opt. adapter cable) Yes No
Monitor Options Color	17", 20"
Solaris License	Solaris 2.3 Edition II or higher. Solaris 1.1.1 Version B (optional).

Configurations Available – Model 110 with One 170 MHz TurboSPARC-II processor:


<i>Part Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
S5LX1-170-32-P17	Modified system enclosure, TurboGX, 17" entry color monitor, 32MB, 2.1GB internal fast SCSI-2 disk	\$4,695	A
S5F24-170-32-P17 ♦	Modified system enclosure, S24 graphics, 17" color monitor, 32MB, 2.1GB internal fast SCSI-2 disk	\$5,695	A
S5FX1-170-32-P17	Modified system enclosure, TurboGX, 17" color monitor, 32MB, 2.1GB internal fast SCSI-2 disk	\$5,695	A
S5FX4-170-32-P17	Modified system enclosure, TurboGXplus, 17" color monitor, 32MB, 2.1GB internal fast SCSI-2 disk	\$6,695	A
S5T24-170-32-P17 ♦	Modified system enclosure, S24 graphics, 20" color monitor, 32MB, 2.1GB internal fast SCSI-2 disk	\$6,695	A
S5TX1-170-32-P17	Modified system enclosure, TurboGX, 20" color monitor, 32MB, 2.1GB internal fast SCSI-2 disk	\$6,695	A
S5TX4-170-32-P17	Modified system enclosure, TurboGXplus, 20" color monitor, 32MB, 2.1GB internal fast SCSI-2 disk	\$7,695	A

- ♦ Requires Solaris 2.4 or higher and patch ID 101923-05. Patch not required for Solaris 2.5 or later. Not supported under Solaris 1.x.

NOTES for all Model 110 Configurations and Upgrades:

- Requires Solaris 2.3, Hardware: 5/94 or higher OR Solaris 1.1.1 Version B or later (except where noted otherwise).
- Old SunCD 2Plus CD-ROM drives (X578A) and old floppy disk drives (X560A) cannot be used in any new SPARCstation 5 systems or upgrades. See the "Desktop Options" section for the appropriate part numbers.

SPARCstation 5 – Model 170

SPARCstation Family	 SPARCstation 5
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95	Model 170 3.32 2.91 3.19 2.68
Performance Architecture Clock rate Cache on-chip Cache external	TurboSPARC (microSPARC compatible) 170 MHz 16KB instruction, 16KB data No
System Memory Standard Maximum Memory type Bandwidth SIMM size	32MB 256MB 60ns JEDEC parity 64 bits 8MB, 32MB
Disk Storage SCSI bandwidth Standard Maximum internal Maximum external	10MB/sec. 2.1GB 4.2GB 118GB
I/O Architecture SBus slots Serial ports Parallel ports Audio Speaker	3 (32-bit, 22 MHz) 2 (fully synchronous) 1 (optional cable required) 16-bit Internal
Network Ports AUI Ethernet Twisted-pair Ethernet ISDN BRI	Yes (with opt. adapter cable) Yes No
Monitor Options Color	17", 20"
Solaris License	Solaris 2.3 Edition II or higher. Solaris 1.1.1 Version B (optional).

Upgrades to SPARCstation 5 – Model 170:

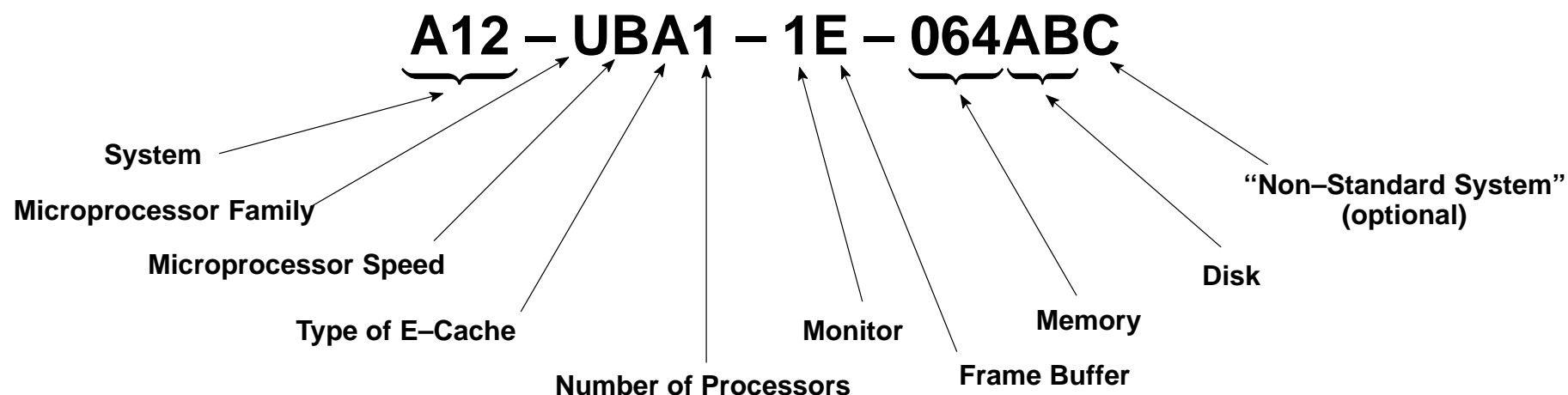
<i>From</i>	<i>Part Number and Description</i>	<i>List Price</i>	<i>Discount Category</i>
SLC, ELC, IPC, SPARCstation 1/1+, Classic	UGFS-S5FX170-P17 Full system upgrade to SPARCstation 5 Model 170 with modified system enclosure, TurboGX, 17" color monitor, 32MB, and 2.1GB internal fast SCSI-2 disk.	\$5,245	A*
SLC, ELC, IPC, SPARCstation 1/1+, Classic	UGFS-S5TX170-P17 Full system upgrade to SPARCstation 5 Model 170 with modified system enclosure, TurboGX, 20" color monitor, 32MB, and 2.1GB internal fast SCSI-2 disk.	\$6,245	A*
IPX, LX, SPARCstation 2, SPARCstation 10	UG4/75-S5170-P17 Chassis upgrade to SPARCstation 5 Model 170 with modified system enclosure, TurboGX frame buffer, 32MB, and 2.1GB internal fast SCSI-2 disk.	\$4,645	A*
IPX, LX, SPARCstation 2, SPARCstation 10	UGS2-S5TX4170-P17 Chassis upgrade to SPARCstation 5 Model 170 with modified system enclosure, TurboGXplus frame buffer, 32MB, and 2.1GB internal fast SCSI-2 disk.	\$5,645	A*
SPARCstation 4, SPARCstation 5	UG-S4-S5-TX1-170 Chassis upgrade to SPARCstation 5 Model 170 with modified system enclosure, TurboGX frame buffer, no disk, no memory.	\$3,295	A*
SPARCstation 5 Model 170 Board Upgrades			
SPARCstation 5 70MHz, 80MHz or 110MHz System Board	UGS5-70/85/110-170 Upgrade to SPARCstation 5 170MHz System Board with CPU.	\$1,900	A*

* Maximum discount may apply.

NOTES for Model 110 Configurations and Upgrades:

- Requires Solaris 2.3, Hardware: 5/94 or higher OR Solaris 1.1.1 Version B or later (except where noted otherwise).
- Old SunCD 2Plus CD-ROM drives (X578A) and old floppy disk drives (X560A) cannot be used in any new SPARCstation 5 systems or upgrades. See the "Desktop Options" section for the appropriate part numbers.

Ultra Systems Part Numbering Scheme



System

A11 = Ultra 1 Model 140/170
 A12 = Ultra 1 Model 140E/170E/200E
 A14 = Ultra 2
 A17 = Ultra 3000
 A18 = Ultra 4000

Microprocessor Family

U = UltraSPARC

Microprocessor Speed

A = UltraSPARC 143 MHz
 B = UltraSPARC 167 MHz
 C = UltraSPARC 200 MHz

E-Cache Size

A = 512KB
 B = 1 MB
 C = 2 MB
 D = 4 MB

Monitor

1 = 20" color
 2 = 17" color
 3 = Low Cost
 4 = 20" Color (S. Hemisphere)
 5 = 17" Color (S. Hemisphere)
 6 = Low Cost (S. Hemisphere)
 9 = Headless

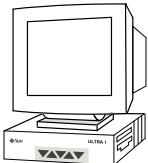
Frame Buffer

A = TGX
 B = TGX+
 C = Freedom 1200
 D = Freedom 3200
 E = Creator
 F = Creator 3D
 G = (reserved)
 H = Freedom 3300
 N = No Frame Buffer
 S = Server

Disk

AA = 1GB
 AB = 2.1GB
 AC = 4.2GB
 CA = 1GB + CD
 CB = 2.1GB + CD
 CC = 4.2GB + CD
 DA = 2 x 1GB
 DB = 2 x 2.1GB
 EA = 2 x 1GB + CD
 EB = 2 x 2.1GB + CD
 MA = CB + Multimedia Kit
 MB = CB + Multimedia Kit (UK)
 MC = CB + Multimedia Kit (EU)
 NN = Diskless

Ultra 1 and Ultra Enterprise 1 – Model 140

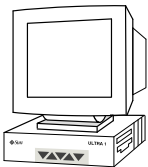
	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95 AIM 3 LADDIS	Model 140 4.66 7.90 4.52 7.73 1305 1812
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 143 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	64MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	10MB/sec. (8-bit fast) 2.1GB 4.2GB 147GB
I/O Architecture SBUS Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	3 (32/64-bit, 25 MHz) No 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes Yes (10 Mbps) Optional
Supported Graphics Options	TurboGX
Solaris License	Solaris 2.5 or later

Configurations Available – Ultra 1 Model 140 with One 143 MHz UltraSPARC-I Processor and 512KB External Cache:

<i>Part Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Ultra 1 Model 140 Desktop Systems			
A11-UAA1-3A-064AB	TurboGX, 17" entry color monitor, 64MB, 2.1GB 5400 RPM internal fast SCSI-2 disk	\$7,995	A
A11-UAA1-2A-064AB	TurboGX, 17" color monitor, 64MB, 2.1GB 5400 RPM internal fast SCSI-2 disk	\$8,995	A
A11-UAA1-1A-064AB	TurboGX, 20" color monitor, 64MB, 2.1GB 5400 RPM internal fast SCSI-2 disk	\$9,995	A
Ultra Enterprise 1 Model 140 Server Configurations			
A11-UAA1-9S-064CB	Ultra Enterprise 1 Model 140 with 64MB, 2.1GB 5400 RPM internal fast SCSI-2 disk, 644MB internal CD-ROM, and Solaris server license.	\$7,495	A

NOTE: All Ultra 1 Model 140 configurations and upgrades require Solaris 2.5 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 140

	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95 AIM 3 LADDIS	Model 140 4.66 7.90 4.52 7.73 1305 1812
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 143 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	64MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	10MB/sec. (8-bit fast) 2.1GB 4.2GB 147GB
I/O Architecture SBus Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	3 (32/64-bit, 25 MHz) No 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes Yes (10 Mbps) Optional
Supported Graphics Options	TurboGX
Solaris License	Solaris 2.5 or later

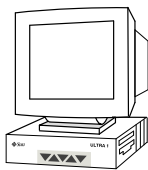
Upgrades to Ultra 1 Model 140:

<i>From</i>	<i>Part Number and Description</i>	<i>List Price</i>	<i>Discount Category</i>
<i>Ultra 1 Model 140 Desktop Upgrades</i>			
SPARCstation 1 & 1+, SLC, ELC, IPC, Classic	UGFS-UAA-1A-064AB Full system upgrade to Ultra 1 Model 140 with TGX graphics, 20" color monitor, 64MB, 2.1GB internal fast SCSI-2 disk	\$9,195	A*
SPARCstation 2, IPX, LX	UGSS2UAA-9A-064AB Chassis upgrade to Ultra 1 Model 140 with TGX graphics, 64MB, 2.1GB internal fast SCSI-2 disk	\$7,795	A*
SPARCstation 4 & 5	UGS4/5UAA9N-064NN Chassis upgrade to Ultra 1 Model 140 with 64MB, and no disk or graphics	\$6,800	A*
SPARCstation 10	UGS10UAA-9A-064AB Chassis upgrade to Ultra 1 Model 140 with 64MB, 2.1GB internal fast SCSI-2 disk, and TurboGX	\$6,995	A*
SPARCstation 20	UGS20UAA-9N-000NN Chassis upgrade to Ultra 1 Model 140 with no memory, disk or graphics	\$4,995	A*

* Maximum discount may apply.

NOTE: All Ultra 1 Model 140 configurations and upgrades require Solaris 2.5 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 140E

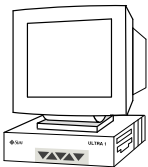
	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95	Model 140E 6.26 9.00 4.81 7.73
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 143 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	64MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	10MB/sec. (8-bit fast) 2.1GB 4.2GB 147GB
I/O Architecture SBus Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	3 (32/64-bit, 25 MHz) 1 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes (requires MII adapter) Yes (10/100 Mbps) Optional
Supported Graphics Options	Creator and Creator3D
Solaris License	Solaris 2.5 or later

Configurations Available – Ultra 1 Model 140E with One 143 MHz UltraSPARC-I Processor and 512KB External Cache:

<i>Part Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
<i>Ultra 1 Model 140E – Creator Graphics Configurations</i>			
A12-UAA1-2E-064AB	Creator, 17" color monitor, 64MB, 2.1GB 7200 RPM internal fast/wide SCSI-2 disk	\$11,995	A
A12-UAA1-1E-064AB	Creator, 20" color monitor, 64MB, 2.1GB 7200 RPM internal fast/wide SCSI-2 disk	\$12,995	A
<i>Ultra 1 Model 140E – Creator3D Graphics Configurations</i>			
A12-UAA1-2F-064AB	Creator3D, 17" color monitor, 64MB, 2.1GB 7200 RPM internal fast/wide SCSI-2 disk	\$13,995	A
A12-UAA1-1F-064AB	Creator3D, 20" color monitor, 64MB, 2.1GB 7200 RPM internal fast/wide SCSI-2 disk	\$14,995	A

NOTE: All Ultra 1 Model 140E configurations and upgrades require Solaris 2.5 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 140E

	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95	Model 140E 6.26 9.00 4.81 7.73
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 143 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	64MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	10MB/sec. (8-bit fast) 2.1GB 4.2GB 147GB
I/O Architecture SBus Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	3 (32/64-bit, 25 MHz) 1 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes (requires MII adapter) Yes (10/100 Mbps) Optional
Supported Graphics Options	Creator and Creator3D
Solaris License	Solaris 2.5 or later

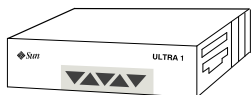
Upgrades to Ultra 1 – Model 140E:

<i>From</i>	<i>Part Number and Description</i>	<i>List Price</i>	<i>Discount Category</i>
Ultra 1 Model 140E – Creator Graphics Upgrades			
SPARCstation 1/1+, IPC, SLC, ELC or Classic	UGFS-UAA-1E-064AB Full system upgrade to Ultra 1 Model 140E with 20" color monitor, Creator graphics, 64MB, 2.1GB internal fast SCSI-2 disk.	\$12,195	A*
SPARCstation 1/1+, IPC, SLC, ELC or Classic	UGFS-UAA-2E-064AB Full system upgrade to Ultra 1 Model 140E with 17" color monitor, Creator graphics, 64MB, 2.1GB internal fast SCSI-2 disk.	\$11,195	A*
SPARCstation 10	UGS10-UAA-9E-064AB Chassis upgrade to Ultra 1 Model 140E with 64MB, 2.1GB internal fast SCSI-2 disk, Creator graphics.	\$10,195	A*
SPARCstation 2, 4 or 5	UGS4/5UAA9E-064NN Chassis upgrade to Ultra 1 Model 140E with 64MB, Creator graphics, no disk.	\$9,195	A*
SPARCstation 20	UGS20UAA-9E-000NN Chassis upgrade to Ultra 1 Model 140E with Creator graphics, no disk, no memory.	\$7,995	A*
Ultra 1 Model 140E – Creator3D Graphics Upgrades			
SPARCstation 1/1+, IPC, SLC, ELC or Classic	UGFS-UAA-1F-064AB Full system upgrade to Ultra 1 Model 140E with 20" color monitor, Creator3D graphics, 64MB, 2.1GB internal fast SCSI-2 disk.	\$13,895	A*
SPARCstation 1/1+, IPC, SLC, ELC or Classic	UGFS-UAA-2F-064AB Full system upgrade to Ultra 1 Model 140E with 17" color monitor, Creator3D graphics, 64MB, 2.1GB internal fast SCSI-2 disk.	\$12,895	A*
SPARCstation 10	UGS10UAA-9F-064AB Chassis upgrade to Ultra 1 Model 140E with 64MB, 2.1GB internal fast SCSI-2 disk, Creator3D graphics.	\$11,295	A*
SPARCstation 20	UGS20UAA-9F-000NN Chassis upgrade to Ultra 1 Model 140E with Creator3D graphics, no disk, no memory.	\$9,995	A*

* Maximum discount may apply.

NOTE: All Ultra 1 Model 140E configurations and upgrades require Solaris 2.5 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 170 Server

	
Packaging	Desktop
Performance	Model 170
SPECint95	5.56
SPECfp95	9.06
SPECrate_int95	50
SPECrate_fp95	82
AIM 3	1450
LADDIS	2102
Processor	
Architecture	UltraSPARC-I
Clock Rate	167 MHz
Cache on-chip	32KB (16KB I-cache, 16KB D-cache)
External cache	512KB
No. of Processors	1
Main Memory	
Standard	64MB
Maximum	1GB
Memory Type	ECC
Bandwidth	288 bits
Total SIMM memory slots	8
SIMM size	16, 32, 64, 128MB (must be in pairs)
Disk Capacity	
SCSI bandwidth	10MB/sec. (8-bit fast)
Standard Internal	2.1GB
Maximum Internal	4.2GB
Maximum Total	324GB with Array
I/O Architecture	
SBus Slots	3 (32/64-bit, 25 MHz)
Graphics (UPA Slots)	No
Serial Ports	2
Parallel Ports	1
Audio	16-bit
Speaker	Internal
Network Ports	
AUI Ethernet	Yes
Twisted Pair Ethernet	Yes (10 Mbps)
ISDN-FDDI and ATM	Optional
Solaris License	Solaris 2.5 or later

Configurations Available – Ultra 1 Model 170 Server with One 167 MHz UltraSPARC-I Processor and 512KB External Cache:

Part Number	Description	List Price	Discount Category
Ultra Enterprise 1 Model 170 Server Configurations			
A11-UBA1-9S-064CB	Ultra Enterprise 1 Model 170 with 64MB, 2.1GB 5400 RPM internal fast SCSI-2 disk, 644MB internal CD-ROM, and Solaris server license.	\$12,995	A
A11-UBA1-9S-128EB	Ultra Enterprise 1 Model 170 with 128MB, 2 x 2.1GB 5400 RPM internal fast SCSI-2 disks, 644MB internal CD-ROM, and Solaris server license.	\$14,995	A
A11-UBA1-9S-256EB	Ultra Enterprise 1 Model 170 with 256MB, 2 x 2.1GB 5400 RPM internal fast SCSI-2 disks, 644MB internal CD-ROM, and Solaris server license.	\$19,995	A

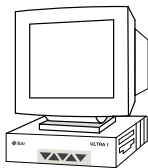
Upgrades to Ultra 1 Model 170 Server:

From	Part Number and Description	List Price	Discount Category
Any SPARCserver	UG-S-UBA-9S-064CB Chassis upgrade to Ultra Enterprise 1 Model 170 with 64MB, 2.1GB internal fast SCSI-2 disk, and CD-ROM.	\$10,850	A*
Any SPARCserver	UG-S-UBA-9S-128EB Chassis upgrade to Ultra Enterprise 1 Model 170 with 128MB, 2 x 2.1GB internal fast SCSI-2 disks, and CD-ROM.	\$12,860	A*

* Maximum discount may apply.

NOTE: All Ultra 1 Model 170 configurations and upgrades require Solaris 2.5 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 170E


	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95 AIM3 LADDIS	Model 170E 5.56 9.06 5.26 8.45 1450 2102
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 167 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	128MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	20MB/sec. (16-bit fast/wide) 2.1GB 4.2GB 147GB
I/O Architecture SBus Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	2 (32/64-bit, 25 MHz) 1 (83 MHz) 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes (requires MII adapter) Yes (10/100 Mbps) Optional
Supported Graphics Options	Creator, Creator3D, Freedom
Solaris License	Solaris 2.5, Hardware: 1/96 or later

Configurations Available – Ultra 1 Model 170E with One 167 MHz UltraSPARC-I Processor and 512KB External Cache:

<i>Part Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Ultra 1 Model 170E – Creator Graphics Configurations			
A12-UBA1-1E-128AB	Creator, 20" color monitor, 128MB, 2.1GB 7200 RPM internal fast/wide SCSI-2 disk	\$18,495	A
Ultra 1 Model 170E – Creator3D Graphics Configurations			
A12-UBA1-1F-128AB	Creator3D, 20" color monitor, 128MB, 2.1GB 7200 RPM internal fast/wide SCSI-2 disk	\$20,495	A

NOTE: All Ultra 1 Model 170E configurations and upgrades require Solaris 2.5, Hardware: 1/96 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 170E

	
Packaging	Desktop
Performance	Model 170E
SPECint95	5.56
SPECfp95	9.06
SPECbase_int95	5.26
SPECbase_fp95	8.45
AIM3	1450
LADDIS	2102
Processor	
Architecture	UltraSPARC-I
Clock Rate	167 MHz
Cache on-chip	32KB (16KB I-cache, 16KB D-cache)
External cache	512KB
No. of Processors	1
Main Memory	
Standard	128MB
Maximum	1GB
Memory Type	ECC
Bandwidth	288 bits
Total SIMM memory slots	8
SIMM size	16, 32, 64, 128MB (must be in pairs)
Disk Capacity	
SCSI bandwidth	20MB/sec. (16-bit fast/wide)
Standard Internal	2.1GB
Maximum Internal	4.2GB
Maximum Total	147GB
I/O Architecture	
SBus Slots	2 (32/64-bit, 25 MHz)
Graphics (UPA Slots)	1 (83 MHz)
Serial Ports	2
Parallel Ports	1
Audio	16-bit
Speaker	Internal
Network Ports	
AUI Ethernet	Yes (requires MII adapter)
Twisted Pair Ethernet	Yes (10/100 Mbps)
ISDN-FDDI and ATM	Optional
Supported Graphics Options	Creator, Creator3D, Freedom
Solaris License	Solaris 2.5, Hardware: 1/96 or later

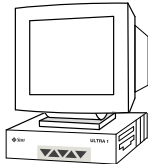
Upgrades to Ultra 1 Model 170E:

<i>From</i>	<i>Part Number and Description</i>	<i>List Price</i>	<i>Discount Category</i>
Ultra 1 Model 170E – Creator Graphics Upgrades			
SPARCstation 1/1+, IPC, SLC, ELC, Classic	UGFS-UBA-1E-128AB Full system upgrade to Ultra 1 Model 170E with 20" color monitor, 128MB, 2.1GB internal fast SCSI-2 disk, Creator graphics	\$16,350	A*
SPARCstation 2, IPX, LX	UGSS2UBA-9E-128AB Chassis upgrade to Ultra 1 Model 170E with 128MB, 2.1GB internal fast SCSI-2 disk, Creator graphics	\$14,850	A*
SPARCstation 4, 5	UGS4/5UBA9E-128NN Chassis upgrade to Ultra 1 Model 170E with 128MB, Creator graphics, no disk	\$11,800	A*
SPARCstation 10	UGS10UBA-9E-128AB Chassis upgrade to Ultra 1 Model 170E with 128MB, 2.1GB internal fast SCSI-2 disk, Creator graphics	\$12,650	A*
SPARCstation 20	UGS20UBA-9E-000NN Chassis upgrade to Ultra 1 Model 170E with Creator graphics, no memory, no disk	\$10,800	A*
Ultra 1 Model 170E – Creator3D Graphics Upgrades			
SPARCstation 1/1+, IPC, Classic	UGFS-UBA-1F-128AB Full system upgrade to Ultra 1 Model 170E with 20" color monitor, 128MB, 2.1GB internal fast SCSI-2 disk, Creator3D graphics	\$18,350	A*
SPARCstation 2, IPX, LX	UGSS2UBA-9F-128AB Chassis upgrade to Ultra 1 Model 170E with 128MB, 2.1GB internal fast SCSI-2 disk, Creator3D graphics	\$16,850	A*
SPARCstation 10	UGS10UBA-9F-128AB Chassis upgrade to Ultra 1 Model 170E with 128MB, 2.1GB internal fast SCSI-2 disk, Creator3D graphics	\$14,650	A*
SPARCstation 20	UGS20UBA-9F-000NN Chassis upgrade to Ultra 1 Model 170E with Creator3D graphics, no memory, no disk	\$12,800	A*
Ultra Enterprise 1 Model 170E Server Upgrades			
630MP/670MP servers	UG6XXUBA-9S-064EB Upgrade to Ultra Enterprise 1 Model 170E with 64MB, 2 x 2.1GB internal fast SCSI-2 disks, CD-ROM, no graphics	\$19,995	A*

* Maximum discount may apply.

NOTE: All Ultra 1 Model 170E configurations and upgrades require Solaris 2.5, Hardware: 1/96 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 200E

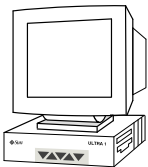
	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95 AIM3 LADDIS	Model 200E 7.44 10.4 6.62 9.79 N/A N/A
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 200 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	128MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	20MB/sec. (16-bit fast/wide) 2.1GB 4.2GB 147GB
I/O Architecture SBus Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	2 (32/64-bit, 25 MHz) 1 (83 MHz) 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes (requires MII adapter) Yes (10/100 Mbps) Optional
Supported Graphics Options	Creator, Creator3D, Freedom
Solaris License	Solaris 2.5.1 or later

Configurations Available – Ultra 1 Model 200E with One 200 MHz UltraSPARC-I Processor and 512KB External Cache:

<i>Part Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
<i>Ultra 1 Model 200E – Creator Graphics Configurations</i>			
A12-UCA1-1E-128AB	Creator, 20" color monitor, 128MB (2 x 64MB SIMMs), 2.1GB 7200 RPM internal fast SCSI-2 disk	\$22,495	A
A12-UCA1-1E-512AB	Creator, 20" color monitor, 128MB (4 x 128MB SIMMs), 2.1GB 7200 RPM internal fast SCSI-2 disk	\$34,495	A
<i>Ultra 1 Model 200E – Creator3D Graphics Configurations</i>			
A12-UCA1-1F-128AB	Creator 3D, 20" color monitor, 128MB (2 x 64MB SIMMs), 2.1GB 7200 RPM internal fast SCSI-2 disk	\$24,495	A
A12-UCA1-1F-512AB	Creator 3D, 20" color monitor, 512MB (4 x 128MB SIMMs), 2.1GB 7200 RPM internal fast SCSI-2 disk	\$36,495	A

NOTE: All Ultra 1 Model 170E configurations and upgrades require Solaris 2.5.1 or higher.

Ultra 1 and Ultra Enterprise 1 – Model 200E

	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95 AIM3 LADDIS	Model 200E 7.44 10.4 6.62 9.79 N/A N/A
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 200 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	128MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	20MB/sec. (16-bit fast/wide) 2.1GB 4.2GB 147GB
I/O Architecture SBus Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	2 (32/64-bit, 25 MHz) 1 (83 MHz) 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes (requires MII adapter) Yes (10/100 Mbps) Optional
Supported Graphics Options	Creator, Creator3D, Freedom
Solaris License	Solaris 2.5.1 or later

Upgrades to Ultra 1 Model 200E:

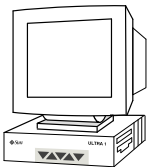
<i>From</i>	<i>Part Number and Description</i>	<i>List Price</i>	<i>Discount Category</i>
<i>Ultra 1 Model 200E – Creator Graphics Upgrades</i>			
SPARCstation 1/1+, IPC, SLC, ELC, Classic	UGFS-12UCA11E128AB Full system upgrade to Ultra 1 Model 200E with Creator graphics, 20" color monitor, 128MB, 2.1GB internal fast SCSI-2 disk	\$20,350	A*
SPARCstation 2, IPX, LX	UGS2-12UCA19E128AB Chassis upgrade to Ultra 1 Model 200E with Creator graphics, 128MB, 2.1GB internal fast SCSI-2 disk	\$18,850	A*
SPARCstation 4, 5	UGS5-12UCA19E128NN Chassis upgrade to Ultra 1 Model 200E with Creator graphics, 128MB, no disk	\$15,800	A*
SPARCstation 10	UG10-12UCA19E128AB Chassis upgrade to Ultra 1 Model 200E with Creator graphics, 128MB, 2.1GB internal fast SCSI-2 disk	\$16,650	A*
SPARCstation 20	UG20-12UCA19E000NN Chassis upgrade to Ultra 1 Model 200E with Creator graphics, no memory, no disk	\$14,800	A*

* Maximum discount may apply.

NOTE: All Ultra 1 Model 200E configurations and upgrades require Solaris 2.5.1 or higher.

(More upgrades on next page)

Ultra 1 and Ultra Enterprise 1 – Model 200E

	
Packaging	Desktop
Performance SPECint95 SPECfp95 SPECbase_int95 SPECbase_fp95 AIM3 LADDIS	Model 200E 7.44 10.4 6.62 9.79 N/A N/A
Processor Architecture Clock Rate Cache on-chip External cache No. of Processors	UltraSPARC-I 200 MHz 32KB (16KB I-cache, 16KB D-cache) 512KB 1
Main Memory Standard Maximum Memory Type Bandwidth Total SIMM memory slots SIMM size	128MB 1GB ECC 288 bits 8 16, 32, 64, 128MB (must be in pairs)
Disk Capacity SCSI bandwidth Standard Internal Maximum Internal Maximum Total	20MB/sec. (16-bit fast/wide) 2.1GB 4.2GB 147GB
I/O Architecture SBus Slots Graphics (UPA Slots) Serial Ports Parallel Ports Audio Speaker	2 (32/64-bit, 25 MHz) 1 (83 MHz) 2 1 16-bit Internal
Network Ports AUI Ethernet Twisted Pair Ethernet ISDN-FDDI and ATM	Yes (requires MII adapter) Yes (10/100 Mbps) Optional
Supported Graphics Options	Creator, Creator3D, Freedom
Solaris License	Solaris 2.5.1 or later

Upgrades to Ultra 1 Model 200E:

<i>From</i>	<i>Part Number and Description</i>	<i>List Price</i>	<i>Discount Category</i>
Ultra 1 Model 200E – Creator3D Graphics Upgrades			
SPARCstation 1/1+, IPC, SLC, ELC, Classic	UGFS-12UCA11F128AB Full system upgrade to Ultra 1 Model 200E with Creator3D graphics, 20" color monitor, 128MB, 2.1GB internal fast SCSI-2 disk	\$22,350	A*
SPARCstation 2, IPX, LX	UGS2-12UCA19F128AB Chassis upgrade to Ultra 1 Model 200E with Creator3D graphics, 128MB, 2.1GB internal fast SCSI-2 disk	\$20,850	A*
SPARCstation 10	UG10-12UCA19F128AB Chassis upgrade to Ultra 1 Model 200E with Creator3D graphics, 128MB, 2.1GB internal fast SCSI-2 disk	\$18,650	A*
SPARCstation 10	UG10-12UCA19F512AB Chassis upgrade to Ultra 1 Model 200E with Creator3D graphics, 512MB, 2.1GB internal fast SCSI-2 disk	\$30,650	A*
SPARCstation 20	UG20-12UCA19F000NN Chassis upgrade to Ultra 1 Model 200E with Creator3D graphics, no memory, no disk	\$16,800	A*
Ultra Enterprise 1 Model 200E Module & System Board Upgrades			
Ultra 1 Model 1XX module	UG-MUX-A12-M200 Module upgrade to Ultra 1 Model 200E UltraSPARC-I processor with 1MB external cache	\$6,995	A*
Ultra 1 – 140/170 system board	UG-U11-U12-200-SFB Board upgrade to Ultra 1 Model 200E CPU board and Creator frame buffer.	\$12,595	A*

* Maximum discount may apply.

NOTE: All Ultra 1 Model 200E configurations and upgrades require Solaris 2.5.1 or higher.